

Table PBS-1
S&E publications in all fields for 15 largest producing regions, countries, or economies: 2012 and 2022

(Number and percent)

Rank	Region, country, or economy	2012	2022	2022 world total (%)
na	World	2,105,157	3,344,037	na
1	China	329,067	898,949	26.88
2	United States	430,164	457,335	13.68
3	India	78,135	207,390	6.20
4	Germany	105,639	113,976	3.41
5	United Kingdom	98,685	105,584	3.16
6	Japan	109,040	103,723	3.10
7	Italy	64,131	90,586	2.71
8	Russia	36,532	84,252	2.52
9	South Korea	56,101	76,936	2.30
10	Canada	59,762	69,052	2.06
11	Spain	54,680	67,100	2.01
12	Brazil	48,166	67,031	2.00
13	France	72,431	65,888	1.97
14	Australia	46,728	62,305	1.86
15	Iran	31,462	60,940	1.82

na = not applicable.

Note(s):
The regions, countries, or economies are ranked based on the 2022 total. Article counts refer to publications from conference proceedings and peer-reviewed journal articles in S&E and indexed in Scopus (see Technical Appendix for more details). Articles are classified by their year of publication and are assigned to a region, country, or economy on the basis of the institutional address(es) of the author(s) listed in the article. Articles are credited on a fractional count basis (i.e., for articles from multiple regions, countries, or economies, each region, country, or economy receives fractional credit on the basis of the proportion of its participating authors). Detail may not add to total because of regions, countries, or economies that are not shown. Proportions are based on the world total excluding unclassified addresses (data not presented). Details and other regions, countries, or economies are available in Table SPBS-2.

Source(s):
National Center for Science and Engineering Statistics; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed April 2023.

Science and Engineering Indicators